

Comparisons of Job Characteristics

Focus Occupation: Boilermakers (47-2011)

Associated Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 74

Focus Occupation: Boilermakers (47-2011)

Associated Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	19.8	17.5	<	Expanded education and/or training may be required
Administration and Management	8.4	16.2	8.3	<<	Extensive education and/or training may be required
Education and Training	9.2	14.0	7.9	<<	Extensive education and/or training may be required
Personnel and Human Resources	5.6	13.5	5.8	<<	Extensive education and/or training may be required
Production and Processing	6.0	13.5	8.9	<<	Extensive education and/or training may be required
Clerical	7.3	12.3	4.8	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	12.2	12.6	0	Current knowledge level may be sufficient
Economics and Accounting	4.4	10.2	3.3	<<	Extensive education and/or training may be required
Building and Construction	4.0	9.3	13.8	>>	Current knowledge level is likely more than sufficient
Telecommunications	3.9	7.3	2.8	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 35

Focus Occupation: Boilermakers (47-2011)

Associated Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Management of Personnel Resources	6.9	13.6	6.0	<<	Extensive development of skills in this area may be required
Monitoring	9.9	13.5	8.5	<<	Extensive development of skills in this area may be required
Time Management	8.9	13.0	8.2	<<	Extensive development of skills in this area may be required
Coordination	9.1	12.5	7.3	<<	Extensive development of skills in this area may be required
Quality Control Analysis	5.9	11.6	10.6	0	Current skill level may be sufficient
Negotiation	6.8	11.0	5.2	<<	Extensive development of skills in this area may be required
Troubleshooting	4.5	10.4	9.6	0	Current skill level may be sufficient
Equipment Maintenance	3.5	10.1	9.3	0	Current skill level may be sufficient
Repairing	3.4	10.0	9.2	0	Current skill level may be sufficient
Management of Financial Resources	3.3	9.8	2.2	<<	Extensive development of skills in this area may be required
Management of Material Resources	3.7	9.7	2.6	<<	Extensive development of skills in this area may be required
Equipment Selection	3.3	7.5	8.0	0	Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 66

Focus Occupation: Boilermakers (47-2011)

Associated Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Flexibility of Closure	7.8	10.3	8.0	<	Some improvement in abilities may be required
Auditory Attention	5.9	10.0	7.5	<<	Extensive improvement in abilities may be required
Hearing Sensitivity	5.6	9.7	7.6	<	Some improvement in abilities may be required
Speed of Closure	5.9	9.1	6.2	<<	Extensive improvement in abilities may be required
Memorization	5.6	8.4	3.6	<<	Extensive improvement in abilities may be required
Sound Localization	2.2	6.0	3.8	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 58

Focus Occupation: Boilermakers (47-2011)**Associated Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)**

Work Activities	Exclusivity of Activity
Determine installation, service, or repair needed	58
Inspect machinery or equipment to determine adjustments or repairs needed	42
Read blueprints	10
Read specifications	23
Read technical drawings	7
Understand technical operating, service or repair manuals	6

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common**Similarity of Focus
Occupation to Associated
Occupation: 67****Focus Occupation: Boilermakers (47-2011)****Associated Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)**

Tools and Technologies	Exclusivity
Business function specific software	1
Computers	1
Content authoring and editing software	1
Industry specific software	1
Personal communication devices	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.